

CLAIMS

1. A system for the extraction, drainage and wet transport of the petroleum coke produced by the coking chambers comprising a pre-crusher (4), a
5 containment and drainage hopper (1), a connection system (1a) between the tower (7) and the pre-crusher (4), a draining-extracting belt (2), a water collection system (8), a further draining belt (3) for completing the residual water drainage, and a rubber belt (5) for the ultimate transport to the storage.
2. The system for the petroleum coke extraction and drainage according to
10 claim 1, characterized by the filtering system (6) of the collection waters of the whole system.
3. The system for the petroleum coke extraction and drainage according to claim 2, characterized by the drained coke recycle system (6a) to one of the draining belts or directly to the storage.
- 15 4. The system for the petroleum coke extraction and drainage according to claim 1, characterized by a device made of a drilled belt conveyor (2) for the petroleum coke's drainage and extraction coming from the coking chamber, fit to drain the water used for the coke's cutting through some conical holes made over the conveyor's plates and to transport the drained coke towards the discharging
20 hopper (23).
5. The system for the petroleum coke extraction and drainage according to claim 4, characterized in that said belt conveyor is equipped with a high pressure nozzles system (33, 30, 31) for the cleaning of the traction drum (26), of the return stretch (34) of the belt conveyor and of the collection channel (32), respectively.
- 25 6. The system for the petroleum coke extraction and drainage according to claim 5, characterized in that said traction drum (26) and belt conveyor's rollers are equipped with a coating which avoids coke's fines adhesion.
7. The system for the petroleum coke extraction and drainage according to claim 6, characterized in that said coating of the traction drum (26) also increases
30 the coefficient of friction between said drum and the belt conveyor's metal net.
8. The system for the petroleum coke extraction and drainage according to claim 4, characterized in that said belt conveyor is equipped with a collection system (25) for the drained water to be sent to the collection channel (8).

9. The system for the petroleum coke extraction and drainage according to claim 4, characterized in that said belt conveyor is equipped with a hydraulic system (29) for the tensioning of the corresponding drum (22).

10. The system for the petroleum coke extraction and drainage according to claim 6, characterized in that scrapers (27, 28) are provided on traction drum (26) and tensioning drum (22) respectively for the coke's fine removal.